

## **PROPOSED CHANGES TO 521 CMR AS OF FEBRUARY 17, 2005:**

**All changes are noted by being in all capitals and bold, italic font.**

- 1.3** 521 CMR supersedes and revises the Rules and Regulations of the Architectural Access Board, designated as 521 CMR 1.00 *et seq.*

Enabling Legislation

Effective Date of Regulations

***Complete revision: September 1, 1996***

***Amendments to Sections 2, 3, 7, 8, 9, 10, 11, 12, 14, 15, 19, 21, 23, 24, 26, 27, 28, 30, 31, 32, 37, 40, 41, 42, 44, and 45: March 6, 1998***

***Amendments to Sections 5, 8, 9, 14, 18, 21, 26, 27, 28, 30, 31, 37, 39, 40, and 42: February 1, 2002***

**2.4.4** Tolerances on all dimensions, unless otherwise noted, shall not exceed the following:

- a. Dimensions between zero and two inches, (0" and 2" = 0mm and 51mm) inclusive, shall have a maximum tolerance of plus or minus one-eighth inch ( $\frac{1}{8}$ " = 3mm).
- b. Dimensions more than two inches and less than 36 inches ( $>2"$  and  $<36"$  =  $>51$ mm and  $<914$ mm) shall have a maximum tolerance of plus or minus one-half inch ( $\frac{1}{2}$ " = 13mm).
- c. Dimensions 36 inches or greater (36" or  $\geq 914$ mm or  $>$ ) shall have a maximum tolerance of plus or minus one inch (1" = 25mm).
- d. ***SLOPES MAY NOT EXCEED MAXIMUMS. SLOPES SHALL BE MEASURED IN TWO-FOOT INCREMENTS.***
- e. ***HANDRAILS SHALL BE MEASURED VERTICALLY FROM THE TOP OF THE GRIPPING SURFACE OF THE HANDRAILS TO THE STAIR NOSING AND/OR RAMP SURFACE.***

**NOTE:** Tolerances do not apply to minimums or maximums.

### **3.2 NEW CONSTRUCTION**

All new *construction of public buildings/FACILITIES* shall comply fully with 521 CMR.

**3.3.1** If the work being performed amounts to less than 30% of the *full and fair cash value* of the *building* and

- a. if the work costs less than \$100,000, then only the work being performed is required to comply with 521 CMR

or

- b. if the work costs \$100,000 or more, then the work being performed is required to comply with 521 CMR. In addition, an *accessible public entrance* and an *accessible toilet room*, telephone, drinking fountain (if toilets, telephones and drinking fountains are provided) shall also be provided in compliance with 521 CMR.

Exception: General maintenance and on-going upkeep of existing underground transit *facilities*, will not trigger the requirement for an *accessible entrance* and toilet.

Exception: Whether performed alone or in combination with each other, the following types of *alterations* are not subject to **521 CMR 3.3.1, UNLESS THE COST OF THE WORK EXCEEDS \$500,000 OR UNLESS WORK IS BEING PERFORMED ON THE ENTRANCE OR TOILET ROOM.** (When performing exempted work, a memo stating the exempted work and its costs must be filed with the permit application or a separate *building* permit must be obtained.)

- a. Curb Cuts: The *construction of curb cuts* shall comply with **521 CMR 21.**
- b. *Alteration* work which is limited solely to electrical mechanical, or plumbing systems; to abatement of hazardous materials; **OR** retrofit of automatic sprinklers **and** does not involve the *alteration* of any *elements* or *spaces* required to be *accessible* under 521 CMR. Where electrical outlets and controls are altered, they must comply with 521 CMR.
- c. Roof *repair* or replacement, window *repair* or replacement, repointing and masonry *repair* work.
- d. Work relating to septic system *repairs*, (including Title V, 310 CMR 15.00, improvements) site utilities and landscaping.

**3.3.2** If the work performed, ***INCLUDING THE EXEMPTED WORK***, amounts to 30% or more of the *full and fair cash value (SEE SECTION 5.38)* of the *building* the entire *building* is required to comply with 521 CMR.

**5.12 AREA OF RESCUE ASSISTANCE:** An area, which has direct access to an exit ***OR AN AREA ADJACENT TO AN EXIT DISCHARGE***, where people who are unable to use stairs ***OR ARE UNABLE TO TRAVEL MORE THAN 100 FEET TO A PUBLIC WAY*** may remain temporarily in safety to await further instructions or assistance during emergency evacuation.

**5.39 GROUND FLOOR:** The floor of a *building* closest to the level of the exterior grade and any floor within 36 inches (36" = 914mm) of an exterior grade at some or all of its perimeter. *Buildings* on sloped *sites* may have more than one *ground floor*. For *multiple dwellings* with a garage, commercial space, ***OR TOWNHOUSE*** at grade level, the first floor of *dwelling units* above the garage, commercial space, ***OR TOWNHOUSE*** shall be considered the *ground floor*.

**5.48 (moving other numbers down) LODGING HOUSE: A HOUSE WHERE LODGINGS**

**ARE LET TO FOUR OR MORE PERSONS NOT WITHIN SECOND DEGREE OF KINDRED TO THE PERSONS CONDUCTING IT, INCLUDING FRATERNITY HOUSES AND DORMITORIES OF EDUCATIONAL INSTITUTIONS.**

- 5.60 (moving other numbers down) **PROPRIETOR:** MEAINING ONE WITH TITLE TO THE ESTABLISHMENT WHO OWN THE ENTIRE FEE OR PORTION OF THE ENTIRE FEE AND THE CONSEQUENT RIGHT TO DISPOSE OF THE ESTABLISHMENT OR SUCH FEE PORTION AS VESTED IN HIM OR HER.
- 5.86 (moving other numbers down) **TEMPORARY:** Temporary buildings and facilities that are not of permanent construction but are used by the public for a period of time NOT TO EXCEED 90 (NINETY) DAYS WITHIN ANY CALENDAR YEAR. Examples include, but are not limited to: reviewing stands, temporary classrooms, exhibit areas, street festivals, crafts fairs, music events, state and county fairs, sports events, dances, and temporary safe pedestrian passageways around a construction site.
- 5.87 (moving other numbers down) **TEMPORARY ACCESSIBLE PARKING:** Where there are an insufficient number of accessible parking spaces or when permanent accessible parking spaces cannot be provided in time for an event, temporary accessible parking spaces can be created in permanent paved lots, as well as in dirt lots or fields.
- 5.88 (moving other numbers down) **TEMPORARY CURB RAMP:** When temporary modifications are utilized to overcome level changes created by curbs.
- 5.89 (moving other numbers down) **TEMPORARY MODIFICATIONS:** When changes to a site are anticipated to be in places for less than 90 days, temporary modifications compliant with 521 CMR must be made.

## **8.1 GENERAL**

Transient lodging facilities shall comply with **521 CMR**, except as specified or modified in **521 CMR 8**. Transient lodging shall include but not be limited to hotels, motels, bed and breakfasts, inns, boarding houses, **AND** resorts. **TRANSIENT LODGING FACILITIES SHALL ALSO INCLUDE** homeless shelters, halfway houses, **LODGING HOUSES** and transitional housing, and other places that provide temporary accommodations. Transient lodging includes facilities, or portions thereof, used for sleeping accommodations. Sleeping accommodations in a medical care facility are covered by **521 CMR 13, MEDICAL CARE FACILITIES**.

Exception: **521 CMR 8** does not apply to an establishment located within a building that:

- a. contains five or fewer **BEDS OR** rooms for rent or hire; and
- b. is actually occupied as a residence by the *proprietor* of the establishment (**SEE SECTION 5.60**)

- 8.6.1** Auxiliary Visual Alarms: Sleeping accommodations shall be equipped with **AUXILLARY VISUAL ALARMS WHICH COMPLY WITH SECTION 40.4.**

~~9.5.6 Where a fire alarm is provided, it shall comply with 521 CMR 40, ALARMS.~~

**9.7.2** Auxiliary Visual Alarms: *Sleeping accommodations* shall be equipped with **AUXILLARY VISUAL ALARMS WHICH COMPLY WITH SECTION 40.4.**

## **14.1 GENERAL**

Places of assembly shall comply with all parts of **521 CMR**, except as specified or modified in **521 CMR 14**. Places of assembly shall include but not be limited to theaters, auditoriums, armories, lecture halls, arenas, stadiums, banquet rooms and conference rooms. Associated, support, or related areas, including but not limited to **PRESS BOXES**, lobbies, ticket offices, seating, stages, backstage areas, dressing rooms, toilet rooms, showers and green rooms, shall also be *accessible*.

## **20.9 SLOPE AND CROSS SLOPE**

An *accessible route* with a *running slope* steeper than 1:20 (5%) is a *ramp* and shall comply with **521 CMR 24, RAMPS**. Nowhere shall the *cross slope* of an *accessible route* exceed 1:50 (2%). (**REFER TO SECTION 2.4.4d**)

## **20.11 EGRESS**

*Accessible routes* serving any *accessible space* or *element* shall also serve as a *means of egress* for emergencies or connect to an *accessible area of rescue assistance*.

**20.11.1 - ALL SPACES OR ELEMENTS REQUIRED TO BE ACCESSIBLE BY 521 CMR SHALL BE PROVIDED WITH NO LESS THAN ONE ACCESSIBLE MEANS OF EGRESS.**

**A. WHERE MORE THAN ONE MEANS OF EGRESS IS REQUIRED UNDER 780 CMR (THE STATE BUILDING CODE) FROM ANY ACCESSIBLE SPACE OR ELEMENT, EACH SPACE OR ELEMENT SHALL BE SERVED BY NOT LESS THAN TWO ACCESSIBLE MEANS OF EGRESS.**

**EXCEPTION: FOR THE PURPOSE OF THIS SECTION, FIRE ESCAPES SHALL BE EXEMPT.**

**20.11.2 - THE EXIT DISCHARGE SHALL PROVIDE A CONTINUOUS PATH OF TRAVEL FROM AN EXIT TO A PUBLIC WAY BY MEANS OF A WALKWAY OR A RAMP.**

**A. WHERE PUBLIC WAYS ARE FURTHER THAN 100 FEET FROM AN EXIT, EXTERIOR AREAS OF RESCUE ASSISTANCE COMPLYING WITH 20.12.2 MAY BE CONSTRUCTED ALONG THE EXIT DISCHARGE LOCATED NO CLOSER THAN 100 FEET FROM THE BUILDING.**

**B. IN BUILDINGS WHERE THE GRADE AT THE LEVEL OF EXIT DISCHARGE PROHIBITS CONSTRUCTION OF EITHER A WALKWAY OR A RAMP, A PORTION OF AN EXTERIOR EXIT BALCONY LOCATED IMMEDIATELY ADJACENT TO AN EMERGENCY EXIT COMPLYING WITH 20.12.2 MAY BE CONSTRUCTED AS AN AREA OF RESCUE ASSISTANCE.**

23.6.4 Location and *Construction*: An area of rescue assistance shall be one of the following:

***H. A FLAT LEVEL AREA THAT IS STABLE, FIRM AND SLIP RESISTANT ADJACENT TO THE EXIT DISCHARGE IN LOCATIONS WHERE THE PUBLIC WAY IS FURTHER THAN 100 FEET FROM THE BUILDING.***

**21.2.1.1** Apex *curb cuts*: Where site constraints prevent the installation of a perpendicular *curb cut* or a parallel curb cut with a level landing, an apex curb cut is allowed. Site constraints include the following:

- a. Driver or pedestrian line of *sight* to or from the front of the level landing on the ramp is impaired, preventing safe observation of crosswalks or approaching traffic at the intersection by a significant immovable or unalterable streetscape feature such as a building, structure or historic element, etc.

**21.2.1.2** When apex *curb cuts* are installed a 48-inch (48" = 1219 mm) landing shall also be provided at the bottom of the curb cut and located within the marked crosswalk.

## **21.3 SLOPE**

***THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP.*** The maximum slope shall be one-in-12 (1:12) (8.3%). Where *sidewalks* are too narrow to install a straight-line *curb cut* at a slope of one-in-12 (1:12) (8.3) the sides of the *curb cut* shall not exceed one-in-12 (1:12) (8.3%). **See Fig. 21b.** The maximum cross-slope for any *curb cut* shall be 1:50 (2%). (There is no tolerance allowed on slope requirements) (***REFER TO SECTION 2.4.4d***)

## **22.3 GRADE**

*Walkways* with a running slope greater than one-in-20 (1:20) (5%) are ramps and shall comply with **521 CMR 24, RAMPS.**

**22.3.1** Nowhere shall the *cross slope* of *walkways* exceed one-in-50 (1:50) (2%). (***REFER TO SECTION 2.4.4d***)

Exception: *Sidewalks* on streets and ways shall be considered *walkways*, with the exception that if the slope of the natural topography exceeds one-in-20 (1:20) (5%) a *ramp* is not required.

**22.3.2 ALL PLAZA AREAS ARE REQUIRED TO HAVE 2% (1:50) SURFACE SLOPES.**

## **23.1 GENERAL**

Any person who has lawful control of improved or enclosed private property used as off-street parking for businesses, auditoriums, sporting or recreational *facilities*, cultural centers, or general *public use* where the public has the right of access as invitees or

licensees, shall cause such parking areas, ***INCLUDING TEMPORARY PARKING AREAS*** to comply with 521 CMR. For parking related to residential and *transient lodging facilities*, see **521 CMR 8, TRANSIENT LODGING FACILITIES** and **521 CMR10.3, Parking Spaces**.

### **23.3 LOCATION**

*Accessible* parking spaces shall be located as follows:

23.3.1 *Accessible* parking spaces serving a particular *building*, ***FACILITY OR TEMPORARY EVENT*** shall be located on the shortest *accessible route* of travel from adjacent parking to an *accessible entrance*.

23.3.3 In buildings with multiple *accessible entrances* with adjacent parking, *accessible* parking spaces shall be dispersed and located closest to the *accessible entrances*, ***BUT IN NO CASE, MORE THAN THREE SPACES FROM THE ACCESSIBLE ENTRANCE***.

Exception: Where *accessible spaces* cannot be located within 200 feet (200' = 61m) of an *accessible entrance*, an *accessible* passenger drop-off area shall be provided within 100 feet (100' = 30m) of an *accessible entrance*.

23.4.3 Slope: Parking spaces shall be *level* with surface slopes not exceeding 1:50 (2%) in all directions.

**Exception:** When *temporary accessible parking* is located within a field or otherwise unpaved area, when such *site* has not been improved in accordance with 521 CMR, the spaces shall be located on the least sloping area of the parking lot.

23.4.4 Surface: Spaces shall have a uniform, paved or hard packed smooth surface.

**EXCEPTION: TEMPORARY ACCESSIBLE PARKING SPACES SHALL HAVE, AT MINIMUM, A HARD PACKED, SMOOTH SURFACE WITH A MINIMUM AMOUNT OF POOLING OR DRAINING WATER.**

23.4.5 Delineation: *Accessible spaces* shall be marked by high contrast painted lines or other high contrast delineation.

**EXCEPTION: TEMPORARY ACCESSIBLE PARKING SPACES SHALL BE EASILY IDENTIFIABLE, SUCH AS LINED WITH FIELD MARKINGS, PAINT OR FIELD TAPE. TRAFFIC CONES OR BARRELS MAY BE USED TO IDENTIFY PARKING SPACES WHERE FIELD MARKINGS, PAINT, OR FIELD TAPE CANNOT BE USED GIVEN THE SURFACE CONDITION.**

23.4.6 *Access aisles*: All *accessible spaces* shall have *access aisles* that comply with the following:

a. Parking *access aisles* shall be part of an *accessible route* to the *building* or *facility entrance* and shall comply with **521 CMR 20, ACCESSIBLE ROUTE**.

**EXCEPTION: FOR TEMPORARY ACCESSIBLE PARKING, DIRECTIONAL SIGNAGE ALONG THE ENTIRE ACCESSIBLE ROUTE, USING THE**

**INTERNATIONAL SYMBOL OF ACCESSIBILITY AND AN ARROW, SHALL BE USED TO DIRECT PEOPLE TO THE CLOSEST ACCESSIBLE ENTRANCE.**

- b. *Access aisles* adjacent to *accessible spaces* shall be five feet (5' = 1524mm) wide minimum, except adjacent to *van accessible spaces* the *access aisle* shall be a minimum of eight feet (8' = 2438mm) wide.

**EXCEPTION: WHEN TEMPORARY ACCESSIBLE PARKING IS LOCATED WITHIN A FIELD OR OTHERWISE UNPAVED SITE, WHEN SUCH AREA HAS NOT BEEN IMPROVED IN ACCORDANCE WITH 521 CMR, THE SPACES SHALL BE LOCATED ON THE LEAST SLOPING AREA OF THE PARKING LOT IN CONJUNCTION WITH THE TEMPORARY ACCESSIBLE PARKING SPACES.**

- c. Two *accessible* parking spaces may share a common *access aisle*. **See Fig. 23a and 23b.**
- d. *Access aisles* shall be *level* with surface slopes not exceeding 1:50 (2%) in all directions.
- e. *Access aisles* shall be clearly marked by means of diagonal stripes.

23.4.7 Van *Accessible spaces* shall comply with the following:

- a. Provide minimum vertical clearance of eight feet, two inches (8'2" = 2489mm) at the parking *space* and along at least one vehicle *access route* to such spaces from site entrance(s) and exit(s). **See Fig. 23c.**
- b. Each *space* shall have a sign designating it "Van Accessible" as required by **521 CMR 23.6, Signage.**
- c. All such *spaces* may be grouped on one level of a parking structure.
- d. Eight foot minimum (8' = 2438mm) wide *space*.
- e. Provide an *access aisle* of eight feet (8' = 2438mm) **ON THE PASSENGER SIDE OF THE VAN ACCESSIBLE PARKING SPACE.**

## 23.5 SIDEWALKS

Where *sidewalks* are provided at *accessible parking spaces*, a *curb cut* shall be installed at the *access aisle* of each *accessible space* or pair of *spaces*.

**EXCEPTION: WHERE WALKWAYS AND SIDEWALKS ARE PROVIDED AT TEMPORARY ACCESSIBLE PARKING SPACES, THERE SHALL BE A FIRM, STABLE PATH OF TRAVEL, NOT LESS THAN 36 INCHES WIDE, FROM THE TEMPORARY ACCESSIBLE PARKING SPACES TO SAID WALKWAY OR SIDEWALK. THERE SHALL BE NO ABRUPT CHANGES IN LEVEL GREATER THAN ½ INCH. IF THERE IS A CHANGE OF LEVEL GREATER THAN ½ INCH, THEN VERTICAL ACCESS SHALL BE PROVIDED EITHER VIA TEMPORARY CURB RAMPS OR VIA A TEMPORARY RAMP.**

23.6.4 A sign shall be located at the head of each space and no more than ten feet (10' = 3048mm) away, and at *accessible* passenger loading zones. Signs may also include wording identifying its use.

**EXCEPTION: SIGNS FOR TEMPORARY ACCESSIBLE PARKING SPACES**

**LOCATED WITHIN A FIELD OR OTHERWISE UNPAVED AREA SHALL BE LOCATED AT THE HEAD OF EACH SPACE IF THERE ARE NO ATTENDANTS DIRECTING PEOPLE TO PARK, OR SIGNS INDICATING A GENERAL AREA DESIGNATED FOR ACCESSIBLE VEHICLES IF PARKING ATTENDANTS ARE DIRECTING PEOPLE TO PARK.**

23.6.4 Such signs shall be permanently located at a height of not less than five feet (5' = 1524mm), nor more than eight feet (8' = 2438) to the top of the sign.

**Exception: Signage for *temporary accessible parking* spaces may be permanently attached to a pole within a bucket.**

**24.2.1 THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP.** The maximum slope of a *ramp* shall be 1:12 (8.3%), ~~measured between any two points on the ramp.~~ (There is no tolerance allowed on slope, **REFER TO SECTION 2.4.4d**)

**24.5.5 Size: HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF 1-1/4 INCHES (32MM) MINIMUM AND 2 INCHES (51MM) MAXIMUM.**

26.1.2 *IN BUILDINGS CLASSIFIED IN THE ASSEMBLY USE AND EDUCATIONAL USE (SEE 780 CMR 302.0) WITH AN OCCUPANCY OF OVER 150 (SEE 521 CMR 14.1.1), ALL REQUIRED EGRESS DOORS WHICH LEAD DIRECTLY TO THE OUTSIDE AT GRADE, SHALL BE MADE ACCESSIBLE AT THE EXTERIOR AS WELL AS THE INTERIOR SO AS TO PROVIDE A SAFE PATH OF TRAVEL TO A PUBLIC WAY FOR PERSONS WHO ARE DISABLED. SUCH EGRESS DOORS SHALL BE PROVIDED WITH ILLUMINATED SIGNAGE IDENTIFYING ACCESSIBILITY BY THE USE OF THE INTERNATIONAL SYMBOL CONTAINED WITHIN THE "EXIT" SIGN (SEE 521 CMR 41.1.3)*

## **26.6 MANEUVERING CLEARANCE**

*A minimum clear floor area shall be provided on both sides of all doors and gates.*

**EXCEPTION: DOORS EQUIPPED WITH AUTOMATIC OPENING DEVICES ARE EXEMPT FROM 521 CMR 26.6.3, 26.6.4, 26.8**

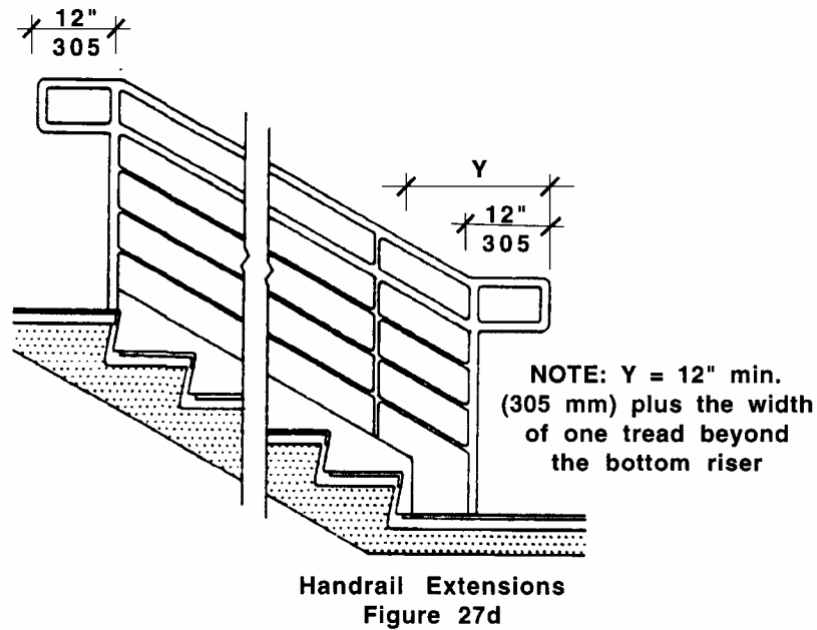
26.11.3 Operation: Doors in the *means of egress* shall be operable with one hand and with a single effort. Doors in the paths of ingress shall be able to be unlocked and opened with one hand. ~~*The force required to operate the hardware shall be no greater than 5 lbs.*~~

## **27.4 HANDRAILS**

Handrails shall have the following features:

27.4.1 Location: Stairways shall have continuous handrails at both sides of all stairs. The inside handrail on switchback or dogleg stairs shall always be continuous. See **Fig. 27c**.

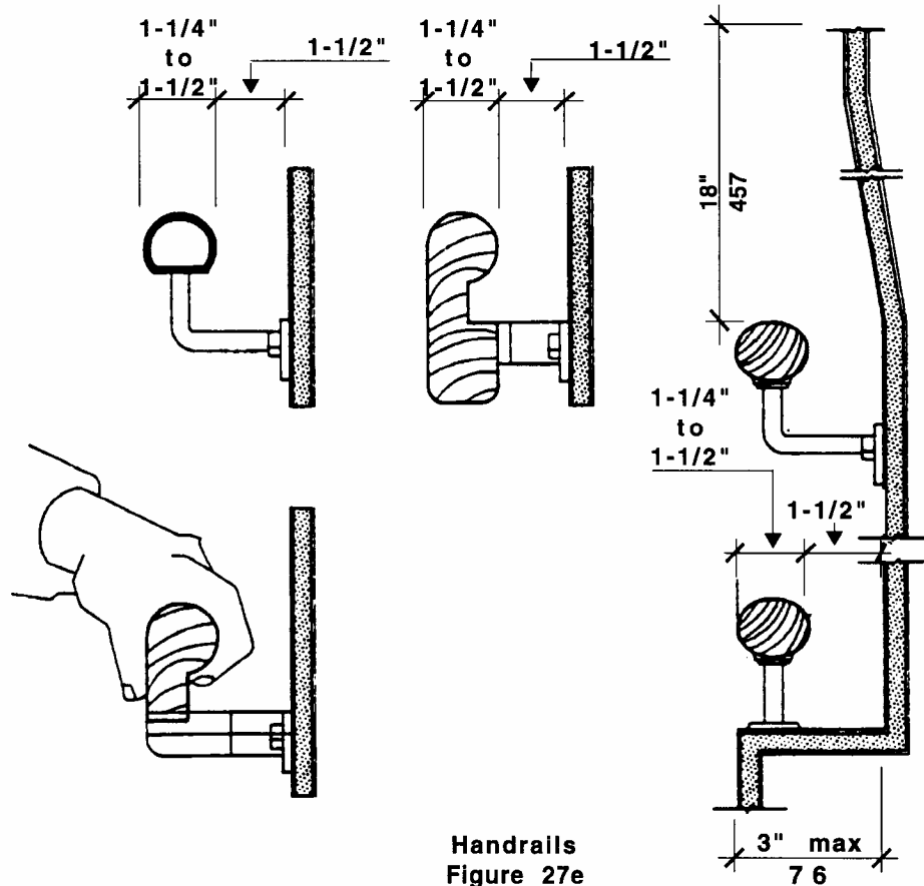




- b. At the bottom, extend at least 12 inches (12" = 305mm) plus the width of one tread beyond the bottom riser. The handrail shall continue to slope for a distance of the width of one tread from the bottom riser; the remainder of the extension shall be horizontal. See **Fig. 27d**.

27.4.4 Size: **HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF 1-1/4 INCHES (32MM) MINIMUM AND 2 INCHES (51MM) MAXIMUM.**

27.4.5 Shape: The handgrip portion of the handrail shall be round or oval in cross-section. See **Fig. 27e**.



28.12.5 Inclined wheelchair lifts shall comply with the following:

- a. The platform shall be a minimum of 30 inches wide by 48 inches long (30" by 48" = 762mm by 1219mm).
  - b. A permanent folding seat shall be provided on the lift.
  - c. If the wheelchair lift is key operated, a buzzer and intercom system must be installed at the lift and connected to a location within the *building* where the key is maintained.
  - d. All controls and operating mechanisms shall comply with **521 CMR 39, CONTROLS**.
  - e. Inclined wheelchair lifts must be permanently installed and maintained in operating condition at all times.
- F. CLEAR FLOOR SPACE MUST BE PROVIDED AT ALL ENTRY AND EXIT LOCATIONS TO THE INCLINED WHEELCHAIR LIFT IN ACCORDANCE WITH 521 CMR SECTION 26.6.3.**

**30.1.1** The installation of unisex *TOILET* (*spelling*) room in lieu of fully *accessible* men's and women's room is permitted by 521 CMR. See also **521 CMR 30.2, Location**.

#### **40.1 GENERAL**

**EMERGENCY WARNING SYSTEMS SHALL COMPLY WITH THE FOLLOWING:**

- 40.1.1 *Sleeping accommodations* for persons with hearing impairments (see **521 CMR 8.4.5**) shall have an alarm system that complies with **SECTION 40.4**.

### 40.3 VISUAL ALARMS

At a minimum, visual signal appliances, if provided, shall be provided in *buildings and facilities* in each of the following areas: ***restrooms, meeting rooms, hallways, lobbies, CLASSROOMS, AND ANY GENERAL USAGE AREAS OPEN TO THE PUBLIC.***

- 40.3.2 Visual alarm signals *shall have photometric features* ***IN ACCORDANCE WITH NFPA SECTION 7.5, 2002.***

- ~~a. The lamp shall be a xenon strobe type or equivalent.~~
- ~~b. The color shall be clear or nominal white (i.e., unfiltered or clear filtered white light).~~
- ~~c. The maximum pulse duration shall be two tenths of one second (0.2 sec) with a maximum duty cycle of 40%. The pulse duration is defined as the time interval between initial and final points of 10% of maximum signal.~~
- ~~d. The intensity shall COMPLY WITH THE REGULATIONS OF THE NFPA~~
- ~~e. The flash rate shall be a minimum of 1 Hz and a maximum of 3 Hz.~~

- 40.3.3 Visual alarm signals shall ***BE LOCATED IN ACCORDANCE WITH NFPA SECTION 7.5, 2002.***

- ~~a. The appliance shall be placed ***NOT LESS THAN*** 80 inches (80" = 2032mm) above the highest floor level within the space or six inches (6" = 152mm) below the ceiling, whichever is lower.~~
- ~~b. In general, no place in any room or space required to have a visual signal appliance shall be more than 50 feet (50' = 15m) from the signal (in the horizontal plane). In large rooms and spaces, such as auditoriums, exceeding 100 feet (100' = 30m) across, without obstructions six feet (6' = 2m) above the finish floor, devices may be placed around the perimeter, spaced a maximum 100 feet (100' = 30m) apart, in lieu of suspending appliances from the ceiling.~~
- ~~c. No place in common corridors or hallways in which visual alarm signaling appliances are required shall be more than 50 feet (50' = 15m) from the signal.~~
- ~~e. ***EXCEPTION: NATIONAL FIRE ALARM CODE HEIGHT OF 92 INCHES***~~

- 41.1.3 Elements and *spaces of accessible facilities* which shall be identified by the International Symbol of Accessibility (See **Fig. 41a**) and which shall comply with **521 CMR 41.7, Symbols of Accessibility** are:

- a. Parking *spaces* designated as reserved for individuals with disabilities;
- b. Accessible passenger loading zones;
- c. Accessible entrances when not all are accessible (inaccessible entrances shall have directional signage to indicate the route to the nearest accessible entrance);
- d. Accessible toilet and bathing facilities when not all are accessible.
- e. ***EMERGENCY EGRESS SIGNS, WHICH ARE REQUIRED TO BE ILLUMINATED***



International Symbol of Accessibility  
Figure 41a